



## **Harnessing Light with Photonic Nanowires: Fundamentals and Applications to Quantum Optics (ChemPhysChem 11/2013)**

Cover Picture

**Claudon, Julien; Gregersen, Niels; Lalanne, Philippe; Gérard, Jean-Michel**

*Link to article, DOI:*  
[10.1002/cphc.201390051](https://doi.org/10.1002/cphc.201390051)

*Publication date:*  
2013

*Document Version*  
Publisher's PDF, also known as Version of record

[Link back to DTU Orbit](#)

*Citation (APA):*  
Claudon, J., Gregersen, N., Lalanne, P., & Gérard, J-M. (2013). Harnessing Light with Photonic Nanowires: Fundamentals and Applications to Quantum Optics (ChemPhysChem 11/2013): Cover Picture. Wiley-VCH. <https://doi.org/10.1002/cphc.201390051>

---

### **General rights**

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

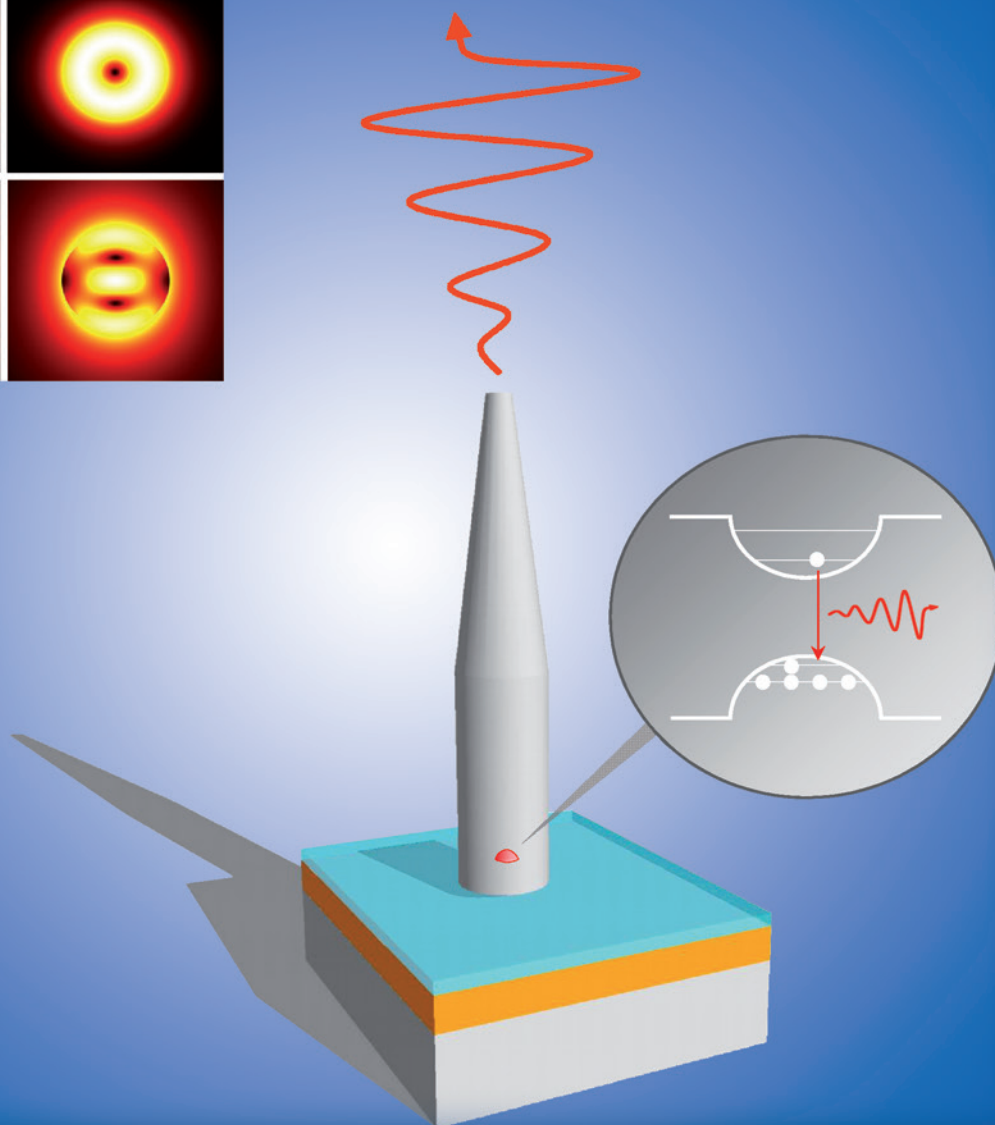
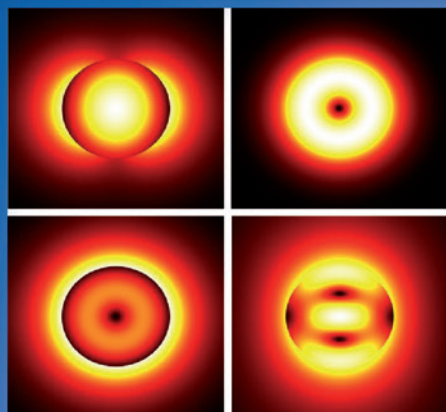
- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
- You may freely distribute the URL identifying the publication in the public portal

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

A EUROPEAN JOURNAL

# CHEMPHYSCHEM

OF CHEMICAL PHYSICS AND PHYSICAL CHEMISTRY



## 11/2013

A Journal of



ChemPubSoc  
Europe

**Reviews:** A Quantitative Measure of Materials' Interfacial Commensurability (O. Hod)

**Minireviews:** Harnessing Light with Photonic Nanowires (J. Claudon et al.)

**Original Contributions:** Mechanically Driven Flow of Solutions in a Zeolite-Type Nanochannel System (L. Liu and X. Chen)

[www.chemphyschem.org](http://www.chemphyschem.org)

WILEY-VCH

## Cover Picture

**Julien Claudon\*, Niels Gregersen, Philippe Lalanne, and Jean-Michel Gérard**

Artist view of an optical antenna based on a tailored photonic wire, as it is discussed by J. Claudon et al. on p. 2393. The antenna exploits both the broadband spontaneous emission control offered by a single-mode photonic wire and the engineering of its far-field emission, using a planar mirror and a top conical taper. By inserting a quantum dot inside the wire, one realizes a very bright single-photon source. Beyond this first application, such a structure opens appealing perspectives for the future developments of solid-state quantum optics.

